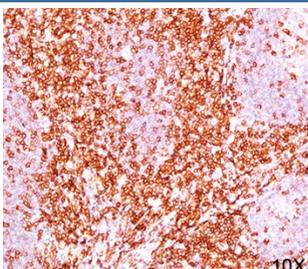


## CD6 Antibody Cocktail [clone C6/372 + 3F7B5] (V2041)

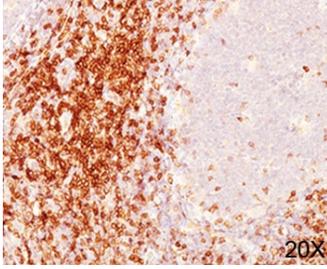
Catalog No.	Formulation	Size
V2041-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2041-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2041SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2041IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

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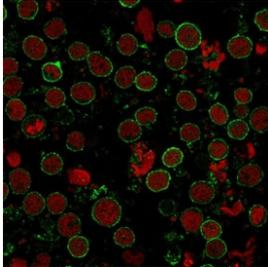
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	C6/372 + 3F7B5
<b>Purity</b>	Protein G affinity chromatography
<b>Buffer</b>	1X PBS, pH 7.4
<b>Gene ID</b>	923
<b>Localization</b>	Cell surface and cytoplasmic
<b>Applications</b>	Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
<b>Limitations</b>	This <b>CD6 antibody</b> is available for research use only.



IHC testing of human tonsil (10X) stained with CD6 antibody cocktail (C6/372 + 3F7B5).



IHC testing of human tonsil (20X) stained with CD6 antibody cocktail (C6/372 + 3F7B5).



Immunofluorescent staining of human MOLT4 cells with CD6 antibody (green, clones C6/372 + 3F7B5) and Reddot nuclear stain (red).

## Description

CD6 is a type I transmembrane glycoprotein that contains a 24-amino acid signal sequence, three extracellular 'scavenger receptor cysteine-rich' (SRCR) domains, a membrane-spanning domain and a 44-amino acid cytoplasmic domain. The CD6 glycoprotein is tyrosine phosphorylated during TCR-mediated T cell activation. CD6 shows significant homology to CD5. CD6 is present on mature thymocytes, peripheral T cells and a subset of B cells. antibody to CD6 can be used to deplete T cells from bone marrow transplants to prevent graft versus host disease.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titrated up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Human recombinant CD6 protein (C6/372) and the rheumatoid synovial T cell line ST-1 (3F7B5) were used as the immunogen for this antibody cocktail.

## Storage

Store the CD6 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## Alternate Names

T12; TP120, CD6 antibody

## References (1)

